

Title (en)  
A residual current device

Title (de)  
Fehlerstromvorrichtung

Title (fr)  
Dispositif à courant résiduel

Publication  
**EP 1455369 A1 20040908 (EN)**

Application  
**EP 04075652 A 20040302**

Priority  
IE 20030163 A 20030306

Abstract (en)  
A residual current device comprises a current transformer 40/42 having a plurality of primary windings W1, W2 each for connection to a respective conductor of an A.C. electricity supply and a secondary winding W3 into which a current is induced which is a function of the currents flowing in the primary windings, the current induced in the secondary winding initiating an action in response to a residual current above a predetermined threshold. Each of the primary and secondary windings is wound on a ferromagnetic element 40 or 42 of which at least the portion 40a, 40b, 42 bearing the winding has a substantially linear axis. <IMAGE>

IPC 1-7  
**H01F 38/30**

IPC 8 full level  
**H01F 38/30** (2006.01); **H01H 83/14** (2006.01); **H01F 17/04** (2006.01)

CPC (source: EP)  
**H01F 38/30** (2013.01); **H01H 83/144** (2013.01); **H01F 17/045** (2013.01)

Citation (search report)  
• [X] US 6504691 B1 20030107 - MATSUI YOSHIHIRO [JP], et al  
• [X] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 01 31 January 1996 (1996-01-31)

Cited by  
CN102364533A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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